O.I.P.E. APR 07 2008 PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
Form PTO-1449 (Modified)
(Use several sheets if necessary)

Sheet	1	of	6

COMPLETE IF KNOWN	
Application Number	10/519,239
Confirmation Number	9717
Filing Date	January 23, 2006
First Named Inventor	Fountain *et al.*
Group Art Unit	2131
Examiner Name	CHEN, SHIN HON
Attorney Docket No.	36321-8015.US01

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	4,386,416		Giltner	5/31/83	
	2.	4,964,164		Fiat, Amos	10/16/90	
	3.	5,222,133		Chour *et al.*	10/17/91	
	4.	5,557,712		Guay	2/16/94	
	5.	5,734,744		Wittenstein	6/7/95	
	6.	5,764,235		Hunt *et al.*	3/25/96	
	7.	5,848,159		Collins *et al.*	12/08/98	
	8.	5,923,756		Shambroom, W. David	7/13/99	
	9.	5,963,642		Goldstein, Benjamin D.	10/5/99	
	10.	5,999,629		Heer *et al.*	10/31/95	
	11.	6,021,198		Anigbogu	2/1/00	
	12.	6,061,448		Smith *et al.*	5/2000	
	13.	6,081,598		Dai, Wei	6/27/00	
	14.	6,081,900		Subramaniam *et al.*	6/27/00	
	15.	6,098,093		Bayeh	8/1/00	
	16.	6,098,096		Tsirigotis *et al.*	8/1/00	
	17.	6,105,012		Chang *et al.*	8/15/00	
	18.	6,154,542		Crandall	11/28/00	
	19.	6,216,212		Challenger *et al.*	4/10/01	
	20.	6,233,565		Lewis *et al.*	5/2001	
	21.	6,321,201		Dahl	11/20/01	
	22.	6,396,926		Takagi, *et al.*	5/28/02	
	23.	6,442,607	B1	Korn *et al.*	8/27/02	
	24.	6,473,802		Masters	10/29/02	
	25.	6,477,646		Krishna, *et al.*	11/5/02	
	26.	6,519,365		Kondo *et al.*	2/11/03	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/519,239
				Confirmation Number	9717
				Filing Date	January 23, 2006
				First Named Inventor	Fountain *et al.*
				Group Art Unit	2131
				Examiner Name	CHEN, SHIN HON
Sheet	2	of	6	Attorney Docket No.	36321-8015.US01

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	27.	6,553,393		Eilbott *et al.*	4/22/03	
	28.	6,578,061		Aoki, *et al.*	6/2003	
	29.	6,587,866		Modi *et al.*	7/1/03	
	30.	6,598,167		Devine *et al.*	7/22/03	
	31.	6,621,505		Beauchamp	9/16/03	
	32.	6,640,302		Subramaniam *et al.*	10/28/03	
	33.	6,757,823		Rao, *et al.*	6/29/04	
	34.	6,763,459		Corella, Francisco	7/13/04	
	35.	6,874,089		Dick *et al.*	3/29/05	
	36.	6,886,095		Hind *et al.*	4/26/05	
	37.	6,915,427		Maruyama *et al.*	7/5/05	
	38.	6,963,980		Mattsson	11/8/05	
	39.	6,990,636		Beauchamp	1/24/06	
	40.	6,990,660		Moshir *et al.*	1/24/06	
	41.	7,137,143		Chawla *et al.*	11/14/06	
	42.	7,152,244	B2	Toomey, Christopher	12/19/06	
	43.	7,272,229		Nakano *et al.*	9/18/07	
	44.	7,266,699		Newman *et al.*	9/4/07	
	45.	7,325,129		Mattsson *et al.*	1/29/08	
	46.	10/526,252		Fountain *et al.*	2/24/05	
	47.	10/850,827		Koyfman	5/20/04	
	48.	11/236,046		Metzger *et al.*	9/26/05	
	49.	11/236,294		Metzger *et al.*	9/26/05	
	50.	11/236,061		Metzger *et al.*	9/26/05	
	51.	11/341,060		Metzger *et al.*	1/2706	
	52.	2002/0012473	A1	Kondo *et al.*	9/30/1997	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/519,239
				Confirmation Number	9717
				Filing Date	January 23, 2006
				First Named Inventor	Fountain *et al.*
				Group Art Unit	2131
				Examiner Name	CHEN, SHIN HON
Sheet	3	of	6	Attorney Docket No.	36321-8015.US01

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application NUMBER	Kind Code (if known)	Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	53.	2002/0015497	A1	Maruyama *et al.*	2/7/02	
	54.	2002/0016911	A1	Chawla *et al.*	7/9/01	
	55.	2002/0039420	A1	Schacham *et al.*	6/8/01	
	56.	2002/0066038	A1	Mattsson	11/29/00	
	57.	2002/0073232	A1	Hong *et al.*	6/13/02	
	58.	2002/0087884	A1	Shacham *et al.*	6/8/01	
	59.	2002/0100036	A1	Moshir *et al.*	7/25/02	
	60.	2002/0112167	A1	Boheh *et al.*	10/2/02	
	61.	2003/0014650	A1	Freed *et al.*	1/16/03	
	62.	2003/0039362	A1	Califano *et al.*	2/27/03	
	63.	2003/0046572	A1	Newman *et al.*	3/6/03	
	64.	2003/0065919	A1	Albert *et al.*	4/3/03	
	65.	2003/0097428	A1	Afkhami	5/22/03	
	66.	2003/0101355	A1	Mattsson	12/28/01	
	67.	2003/0123671	A1	He *et al.*	7/03/03	
	68.	2003/0156719	A1	Cronce	8/21/03	
	69.	2003/0197733	A1	Beauchamp	9/23/03	
	70.	2003/0204513	A1	Bumbulis	10/30/03	
	71.	2004/0015725	A1	Boneh *et al.*	7/24/02	
	72.	2004/0255140	A1	Margolus *et al.*	12/16/04	
	73.	2005/0004924	A1	Baldwin, Adrian	1/6/05	
	74.	2006/0041533	A1	Koyfman	2/23/06	
	75.	2006/0149962	A1	Fountain *et al.*	7/6/06	
	76.	2007/0074047	A1	Metzger *et al.*	9/26/05	
	77.	2007/0079140	A1	Metzger *et al.*	4/5/07	
	78.	2007/0079386	A1	Metzger *et al.*	9/26/05	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/519,239
				Confirmation Number	9717
				Filing Date	January 23, 2006
				First Named Inventor	Fountain *et al.*
				Group Art Unit	2131
				Examiner Name	CHEN, SHIN HON
Sheet	4	of	6	Attorney Docket No.	36321-8015.US01

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent or Application: Office	NUMBER	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	79.	EP	0 946 018	B1	Nippon Telegraph & Telephone	9/29/99		
	80.	WO	01/03398	A3	IBM Corp and IBM UK Limited	1/11/01		
	81.	WO	02/101605	A2	Godfrey *et al.*	12/19/02		

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
	82.	Alteon Web Systems: "The Next Step in Server Loading Balancing" November 1999, Retrieved from the Internet: URL:http:/www.nortelnetworks.com/products/library/collateral/intel_int/webworking_wp.pdf, Retrieved on March 2, 2004; pages 1-15.	
	83.	Alteon Web Systems: "Networking with the Web in Mind" May 1999, Retrieved from the Internet: URL:http:/www.nortelnetworks.com/products/library/collateral/intel_int/webworking_wp.pdf, Retrieved on March 2, 2004; page 1, pages 1-11.	
	84.	Boneh, D., "Twenty Years of Attacks on the RSA Cyrptosystem," Notices of the AMS, Vol 46, No. 2, pp. 203-213, 1999	
	85.	Boneh, *et al.*, "An Attack on RSA Given a Small Fraction of the Private Key Bits," ASIACRYPT '98, LNCS 1514, pp. 25-34, 1998	
	86.	Boneh, *et al.*, "Cryptanalysis of RSA with Private Key d Less than $N^{0.292}$," (extended abstract), 1999	
	87.	Boneh, *et al.*, "Efficient Generation of Shared RSA Keys," (extended abstract)	
	88.	Durfee, G., *et al.*, "Cryptanalysis of the RSA Schemes with Short Secret Exponent from Asiacrypt '99," ASIACRYPT 2000, LNCS 1976, pp. 14-29, 2000	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/519,239
				Confirmation Number	9717
				Filing Date	January 23, 2006
				First Named Inventor	Fountain *et al.*
				Group Art Unit	2131
				Examiner Name	CHEN, SHIN HON
Sheet	5	of	6	Attorney Docket No.	36321-8015.US01

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
	89.	Fiat, A. "Batch RSA, (digital signatures and public key krypto-systems)" Advances in Crytology – Cryto '89 Proceedings 20-24 August, 1989, Springer-Verlag	
	90.	Großschädl, J., *et al.*, "The Chinese Remainder Theorem and its Application in a High-Speed RSA Crypto Chip," 2000	
	91.	Herda, S., "Non-repudiation: Constituting evidence and proof in digital cooperation," Computer Standards and Interfaces, Elsevier Sequoia, Lausanne, CH, 17:1 (69-79) 1995.	
	92.	Immerman, N., "Homework 4 with Extensive Hints," 2000	
	93.	Menezes, A., *et al.*, "Handbook of Applied Cryptography," 1996 CRC Press, pp. §8.2-8.3 and §14.5	
	94.	Netscape; "Netscape Proxy Server Administrator's Guide, Version 3.5 for Unix"; February 25, 1998; Retrieved from the Internet.	
	95.	Oppliger, R.; "Authorization Methods for E-Commerce Applications"; 1999	
	96.	RSA Laboratories: "PKCS #7: Cryptographic Message Syntax Standard, Version 1.5," RSA Laboratories Technical Note, pp. 1-30, November 1, 1993.	
	97.	RSA "PKCS #1 v2.0 Amendment 1: Multi-Prime RSA," 2000	
	98.	"Security Protocols Overview (An RSA Data Security Brief)", RSA Data Security, 1999, http://www.comms.scitech.susx.ac.uk/fft/crypto/security_protocols.pdf, pages 1-4.	
	99.	Schacham, H., *et al.*, "Improving SSL Handsake Performance via Batching," Topics in Cryptology, pp. 28-43, 2001.	
	100	Shand, M., *et al.*, "Fast Implementations of RSA Cryptography," (1993).	
	101	Sherif, M.H., *et al.*, "SET and SSL: Electronic Payments on the Internet," IEEE, pp. 353-358 (1998).	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	10/519,239
				Confirmation Number	9717
				Filing Date	January 23, 2006
				First Named Inventor	Fountain *et al.*
				Group Art Unit	2131
				Examiner Name	CHEN, SHIN HON
Sheet	6	of	6	Attorney Docket No.	36321-8015.US01

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
	102	Stallings, W., "IP Security," Network Security Essentials, Applications and Standards, Chapters 6 and 7, pp. 162-223 (2000).	
	103	Takagi, T., "Fast RSA-Type Cryptosystem Modulo $p^k q$," pages 318-326, (1998).	
	104	Takagi, T., "Fast RSA-Type Cryptosystems Using N-Adic Expansion," Advances in Technology – CRYPTO '97, LNCS 1294, pp. 372-384, 1997.	
	105	Wagner, Neal R., "The Laws of Cryptography": The RSA Cryptosystem", <http://www.cs.utsa.edu/~wagner/laws/RSA.html>.	
	106	Wiener, M., "Cryptanalysis of Short RSA Secret Exponents," (1989).	

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).